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Adhesive Durability Inside the Root Canal Using Self-adhesive Resin Cements for Luting Fiber Posts

K Bitter • A Maletic • K Neumann • L Breschi • G Sterzenbach • M Taschner

Clinical Relevance: Adhesive luting of fiber posts using self-adhesive resin cements resulted in reliable bond strength values even after aging, although product-specific differences could be observed and qualitative nanoleakage analyses revealed initial degradation effects.

doi: <http://dx.doi.org/10.2341/17-017-L>

Polymerization Behavior and Mechanical Properties of High-Viscosity Bulk Fill and Low Shrinkage Resin Composites

S Shibasaki • T Takamizawa • K Nojiri • A Imai • A Tsujimoto • H Endo • S Suzuki • S Suda • WW Barkmeier • MA Latta • M Miyazaki

Clinical Relevance: Bulk-fill resin composites may be less suitable than low-shrinkage resin composites for the restoration of large cavities due to their high volumetric shrinkage.

doi: <http://dx.doi.org/10.2341/16-385-L>

Role of Proteolytic Enzyme Inhibitors on Carious and Eroded Dentin Associated With a Universal Bonding System

MC Giacomini • PMC Scaffa • LP Chaves • CMP Vidal • TN Machado • HM Honório • L Tjäderhane • L Wang

Clinical Relevance: Carious dentin is a challenging substrate with which to establish an effective bond. Using an etch-and-rinse mode with universal adhesive system, stable resin-dentin bond strength over time can be achieved for those substrates. However, the use of E-64 associated with it presented better performance compared with CHX. Thus, it appears to be an appropriate bonding strategy for the maintenance of bond strength to eroded and carious dentin over time.

doi: <http://dx.doi.org/10.2341/16-178-L>

Effect of Preparation Designs on the Prognosis of Porcelain Laminate Veneers: A Systematic Review and Meta-Analysis

N Hong • H Yang • J Li • S Wu • Y Li

Clinical Relevance: Window-type preparations are recommended for porcelain laminate veneers with a butt-joint considered when incisal coverage is needed.

doi: <http://dx.doi.org/10.2341/16-390-L>